Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) Data requesting device through at least one first communication network from at least one data server, said data requesting device being able to support up to a maximum bandwidth rate, and comprising:

at least one input buffer having a~~tn~~ least one input buffer threshold value related to a round trip delay~~side~~, sending means for sending requests of determined data to the server via at least one second communication network, and

receiving means for receiving streamed data from said server into said input buffer via said first communication network and for providing said data to processing means for them to be exploited, wherein said data requesting device comprises retrieving means for retrieving information representative of said maximum bandwidth rate and of said input buffer threshold value~~side~~, and in that said sending means are intended to transmit to said server via said second network said information, so that said server is able to determine at least one size of successive portions of said required data and at least one delay between two successive sending steps of said portions.

2. (Currently Amended) Data requesting device according to claim 1, wherein ~~it~~ said data requesting device comprises a data pump intended to extract data available in said input buffer and to transfer said data into a central memory for said data to be exploited by said processing means, said data pump being able to produce a pause control signal when said data

in said central memory exceed a predetermined high threshold level of said central memory,

and in that said sending means are intended to transmit said pause control signal to said server.

3. (Original) Data requesting device according to claim 1, wherein said data pump is

able to produce a resume control signal when the data transfer from said input buffer to said

central memory has been paused and said data in said central memory decrease down to a

predetermined low threshold level of said central memory, and in that said sending means are

intended to transmit said resume control signal to said server.

4. (Currently Amended) Data requesting device according to claim 2, wherein it said

data requesting device comprises an injector intended to transfer said data from said central

memory to said processing means only when said data in said central memory fill up to a

predetermined middle threshold level of said central memory.

5. (Original) Data requesting device according to claim 2, wherein at least one of said

threshold levels of said central memory depends on a round-trip time between said data

requesting device and said server.

6. (Original) Data requesting device according to claim 1, wherein said data requesting

device is able to produce pause, resume and seek control signals for respectively pausing and

resuming data streaming and for positioning at given appropriate places of said determined

data, and said sending means are intended to transmit to said server sequences of successively

said pause, seek and resume control signals, so as to allow at least one feature among fast

motion and reverse motion.

7. (Original) Decoder, comprising a data requesting device according to claim 1.

8. (Currently Amended) Data requesting process through at least one first

communication network from at least one data server to a data requesting device able to

support up to a maximum bandwidth rate and <u>said data requesting device</u> comprising at least

one input buffer having an input buffer side, said requesting process comprising the following

steps: sending requests of determined data to the server via at least one second communication

network, and receiving streamed data from said server into said input buffer ~~for them~~ to <u>then</u> be

exploited, wherein said data requesting process comprises sending information representative

of said maximum bandwidth rate and of said input buffer side from said data requesting device

to said server via said second network, so that said server is able to determine at least one size

of successive portions of said required data and at least one delay between two successive

sending steps of said portions, said data requesting process being preferably intended to be

executed by means of a data requesting device compliant with claim 1.

9. (Original) Data transmitting device comprising:

receiving means for receiving requests of determined data from at least one data

requesting device, specification means for determining at least one size of successive portions

of said data to be provided to said data requesting device, and streaming means for triggering

streaming of said data portions to said data requesting device, said receiving means being

intended to receive from said data requesting device information representative of capacities of

said data requesting device and said specification means being intended to determine said portion size in function of said information, wherein: said capacities are the maximum bandwidth rate and input buffer size of said data requesting device; said specification means are intended to determine at least one delay between two successive sending steps of said portions in function of said information, and said streaming means are intended to periodically trigger streaming of said data portions having said portion size to said data requesting device, with a period equal to said delay, said data transmitting device being preferably provided for a data requesting device according to claim 1.

10. (Original) Data transmitting device according to claim 9, wherein said receiving means are intended to receive pause control messages from said data requesting device, and said streaming means are intended to pause said data streaming when one of said pause control messages is received.

11. (Original) Data transmitting device according to claims 9, wherein said data requesting device being able to support up to a maximum bandwidth rate and comprising at least one input buffer having an input buffer side, said capacities consist in said maximum bandwidth rate and said input buffer side.

12. (Original) Data transmitting device according to claim 9, wherein said receiving means are intended to receive slow motion messages from said data requesting device, and said specification means are intended to determine at least one increased value of said period when said slow motion messages are received.

13. (Original) Data transmitting device according to claim 9, wherein said receiving means are intended to receive at least one kind of messages among fast motion and reverse motion messages, from said data requesting device, and said data transmitting device comprises parsing means able to identify successive relevant places in said determined data for at least one of said fast and reverse motions, said specification means being provided for successively positioning at said places, when one of said fast motion and reverse motion messages is received.

14. (Original) Data transmitting process comprising the following steps:

receiving requests of determined data from at least one data requesting device, as well as information representative of capacities of said data requesting device, determining at least one size of successive portions of said data to be provided to said data requesting device, in function of said information, and streaming said data portions to said data requesting device, wherein: said capacities are the maximum bandwidth rate and input buffer size of said data requesting device; said specification step includes determining at least one delay between two successive sending steps of said portions in function of said information, and said streaming step includes periodically streaming said data portions having said portion size to said data requesting device, with a period equal to said delay, said data transmitting process being preferably intended to be executed by a data transmitting device compliant with claim 9.

15. (Original) Computer program product, comprising program code instructions for executing the steps of the process of claim 8 when said program is executed on a computer.